

Case CM1737

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the matter of

U.S. National Phase Entry
Under 35 USC 371 from
the International Application of
RENNIE, Paul John
Int'l Application No. PCT/IB99/00469
Filed in the RO/US on 22 March 1999
Entitled: Nasal Spray Device With Improved
Spray Geometry

#4A
DR
3-18-02PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Box PCT
Washington, D.C. 20231

Dear Sir:

Before computing the fees for entering the captioned International Application into the U.S. National Phase, please enter the following amendments IN THE CLAIMS:

* Please cancel Claims 4-10.

Please add the following new claims:

- A1
11. A spray device according to Claim 2 wherein the spray cone has a cone angle of from about 20 to about 50°.
 12. A spray device according to Claim 11 wherein the spray cone has a cone angle of from about 30 to about 40°.
 13. A spray device according to Claim 1 wherein the device is adapted to provide a unit fluid dose with a volume in the range from about 1 to about 20 µl.
 14. A spray device according to Claim 13 wherein the device is adapted to provide a unit fluid dose with a volume in the range about 5 to about 15 µl.
 15. A spray device according to Claim 13 wherein the device is adapted to provide multiple unit fluid doses.
 16. A method of administering a fluid to the nasal cavity from a spray device, the method comprising spraying the fluid into the nasal cavity without substantial penetration of the device into the nostrils.
 17. A method according to Claim 16 wherein the device sprays simultaneously into two nostrils.
 18. A method according to Claim 16 wherein the device is adapted to provide a unit fluid dose with a volume in the range from about 1 to about 20 µl.
- SJW b27
- SJW b37
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19. A method according to Claim 18 wherein the device is adapted to provide a unit fluid dose with a volume in the range from about 5 to about 15 μ l.

20. A method according to Claim 16 using a device according to Claim 2.

The support for these amendments is found in the claims as originally filed. These amendments are being entered to bring the claims into conformance with, *inter alia*, 37 CFR §1.75; no new matter is added.

Respectfully submitted for Applicants,

By:



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02 October 2000
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